

## PATENT ABSTRACTS OF JAPAN

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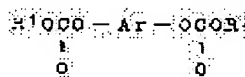
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## (54) PREPARATION OF AROMATIC POLYCARBONATE

## (57)Abstract:

PURPOSE: To prepare industrially efficiently a high MW arom. polycarbonate, by pre-polymerizing bis-alkylcarbonate ester of a specific arom. dihydroxy cpd., crystallizing it and polymerizing it in a solid state.

CONSTITUTION: A prepolymer whose wt.-average MW is 1,000W15,000 is obtd. by dissolving bis-alkylcarbonate ester of an arom. dihydroxy cpd. represented by the formula (wherein R<sup>1</sup>W<sup>2</sup> are 1W10C alkyl or cycloalkyl; Ar is a divalent arom. group) in an inert solvent (e.g., methylene chloride) and pre-polymerizing at 50W350° C for 1minWscores of hours. Then, this prepolymer is crystallized by heating in the range from the m.p. of the prepolymer -50° C to the m.p. of the prepolymer and solid state polymn. is carried out in the temp. range from the glass transition temp. of polycarbonate obtd. or higher to the m.p. of the prepolymer or lower (150W260° C) for 0.1W50hr to increase the degree of polymn. to thereby obtain an arom. polycarbonate whose wt.-average MW is 6,000W100,000.



## LEGAL STATUS

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